

-5-

~~substantially the same as said amino acid sequence such that [the] an antibody comprising  
said heavy chain or fragment thereof specifically binds to the  $\alpha 4\beta 7$  integrin:~~

~~heavy chain: CDR1 amino acids 50-54 of SEQ ID NO: 15~~

~~CDR2 amino acids 69-85 of SEQ ID NO: 15~~

~~CDR3 amino acids 118-129 of SEQ ID NO: 15.~~

*(S)*  
*Sub E10*

19. (Amended) The humanized immunoglobulin heavy chain or fragment thereof of Claim 18 wherein the human framework region is derived from the heavy chain of the human 21/28'CL antibody.

20. (Amended) The humanized immunoglobulin heavy chain or fragment thereof of Claim 19 comprising the variable region of SEQ ID NO:19.

#### REMARKS

##### Amendments

Claims 1 - 9 and 11 - 12 have been amended to recite antigen-binding fragments of humanized antibodies.

Claims 13 - 15 and 18 - 20 have been amended to state that an antibody comprising the claimed immunoglobulin chain or fragment thereof specifically binds to the  $\alpha 4\beta 7$  integrin. Support for these amendments can be found in the subject application at, for example, page 11, line 20 *et seq*.

##### Request for Interview

Applicants requested an Interview in the Preliminary Amendment filed March 15, 1999. Applicants hereby again request a personal interview with the Examiner prior to further action on the merits. The Examiner is requested to contact the undersigned to arrange for a convenient date and time.

U81/00,151

-6-

CONCLUSION

In view of the above amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned at (781) 861-6240.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Helen E. Wendler  
Helen E. Wendler  
Registration No. 37,964  
Telephone (781) 861-6240  
Facsimile (781) 861-9540

Lexington, Massachusetts 02421-4799

Dated:

*May 10, 1999*